

Retevis FA9230AX2

Retevis RM01 Marine Two-Way Radio Instruction Manual

Brand: Retevis | Model: FA9230AX2

1. PRODUCT OVERVIEW & FEATURES

The Retevis RM01 is a professional handheld marine radio designed for reliable communication in various water environments. It offers robust features for safety and convenience.

- **IP67 Waterproof & Floating:** Designed to float if dropped in water, making it easy to retrieve.
- **NOAA Weather Channel & Alert:** Provides timely weather information for enhanced safety.
- **Long Battery Life & Easy Charging:** Compatible with 5 AAA Ni-MH batteries (included) for extended operation.
- **User-Friendly Interface:** Features an LCD display for clear visibility and a multi-functional keypad for easy setting adjustments.
- **Safety Features:** Includes instant access to Channel 16 for emergencies and Dual/Tri-Watch functions to monitor multiple channels simultaneously.
- **Durable Design:** Built with a hard body shell, ideal for offshore workers, fishing vessels, cargo boats, and yachts.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 2 x Retevis RM01 Marine Transceiver
- 10 x 1.2V (AAA) Ni-MH Battery
- 2 x Antenna
- 2 x Adaptor & 2 x Car charger & 2 x Charging cable
- 2 x Belt clip & 2 x Lanyard & 2 x Manual



Figure 2.1: Complete package contents of the Retevis RM01 Marine Two-Way Radio kit.

3. PRODUCT COMPONENTS

Familiarize yourself with the main components of your Retevis RM01 radio:



Figure 3.1: Front view of the Retevis RM01 radio.



Figure 3.2: Detailed views of the radio's various parts, including the Push-to-Talk (PTT) button on the side, antenna connection, and charging port.

- **Antenna:** For transmitting and receiving signals.
- **LCD Display:** Shows channel number, battery status, and menu options.
- **Keypad:** Buttons for channel selection, menu navigation, volume adjustment, and other functions.
- **PTT (Push-to-Talk) Button:** Located on the side, press and hold to transmit, release to receive.
- **Volume/Squelch Knob:** Adjusts audio volume and squelch level.
- **Battery Compartment:** Houses the AAA Ni-MH batteries.

4. SETUP

4.1 Battery Installation

The Retevis RM01 uses 5 AAA Ni-MH batteries. To install or replace batteries:

1. Open the battery compartment cover on the back of the radio.

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- The image shows the back of a black Retevis RM01 Two Way Radio. The battery cover is open, revealing a compartment with five horizontal slots for AA batteries. A white label is affixed to the bottom of the battery compartment. The label contains the following text: "RETEVIS Two Way Radio", "Model: RM01", "FCC ID: 2A300RM01", "Frequency: TX: 156.025 - 157.425", "RX: 156.05 - 163.275", "S/N: 2108RM011100078", "Shenzhen Ysair Technology Co., Ltd.", and "MADE IN CHINA". There are also FCC and CE certification marks on the label. A black cable is attached to the top of the radio.

4.2 Charging the Radio

Video 4.1: Demonstrates how to connect the wall charger and car charger to the Retevis RM01 radio for recharging. The video

highlights the charging port and the various charging accessories included.

To charge, connect the charging cable to the radio's charging port (located at the top, under a waterproof plug) and then to either the wall adapter or car charger. The battery indicator on the LCD will show charging status.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

To power on the radio, press and hold the power button (usually marked with a power symbol) until the LCD screen illuminates. To power off, press and hold the same button until the screen turns off.

Video 5.1: Shows the power-on sequence of the Retevis RM01 radio, including the display initialization and the vibration drainage feature.

5.2 Channel Selection

Use the UP/DOWN arrow buttons on the keypad to navigate through the available marine channels. The selected channel number will be displayed on the LCD.

5.3 Menu Navigation & Settings

Press the 'MENU' button to access the radio's settings. Use the UP/DOWN arrows to scroll through options like Beep, VOX, Weather Channel, Backlight, and Squelch. Press 'MENU' again to confirm a selection or 'EXIT' to return to the main screen.

Video 5.2: Illustrates menu navigation, including setting various functions like Beep, VOX, Dual/Tri-Watch, and accessing weather channels.

5.4 Dual/Tri-Watch Function

The Dual/Tri-Watch feature allows you to monitor Channel 16 (emergency channel) and a selected call channel in addition to your current working channel. This ensures you don't miss important communications.

Dual/tri-watch

- Channel 16 one-key call for help to protect your safety
- Ship to shore timely and smoothly



Figure 5.2: The Dual/Tri-Watch feature allows monitoring of multiple channels simultaneously.

5.5 NOAA Weather Alert

Access the NOAA weather channels through the menu to receive real-time weather forecasts and alerts, crucial for safe navigation.

6. MAINTENANCE

6.1 Waterproof & Floating Capabilities

The Retevis RM01 is IP67 rated, meaning it is protected from dust and can withstand immersion in water up to 1 meter for 30 minutes. Its floating design ensures it remains on the surface if dropped overboard.



Figure 6.1: The radio is designed to float and is waterproof.

Video 6.1: Demonstrates the IP67 waterproof and floating capabilities of the Retevis RM01 radio, showing it being submerged and floating to the surface.

6.2 Vibration Drainage

After exposure to water, the radio features a vibration drainage function to expel water from the speaker grille, ensuring clear audio quality. Activate this function as needed after submersion.

7. TROUBLESHOOTING

If you encounter issues with your Retevis RM01 radio, consider the following common troubleshooting steps:

- **No Power:** Ensure batteries are correctly installed and fully charged.
- **Poor Audio Quality:** Check volume and squelch settings. If recently exposed to water, activate the vibration drainage function.
- **Cannot Transmit/Receive:** Verify you are on the correct channel and that the antenna is securely

attached. Check for any obstructions.

- **Keypad Unresponsive:** Check if the keypad lock function is activated.

For persistent issues, refer to the detailed troubleshooting section in the included manual or contact customer support.

8. SPECIFICATIONS

Feature	Specification
Item Weight	6.3 ounces
Product Dimensions	1.34 x 2.17 x 10.63 inches
Country of Origin	China
Item Model Number	FA9230AX2
Batteries	2 Lithium Ion batteries required. (included) - <i>Note: Product description states 5 AAA Ni-MH batteries. Please verify.</i>
Brand	Retevis
Color	Black, Orange
Number of Channels	88
Special Feature	Floating, NOAA Weather Alert
Frequency Range	156-174 MHz
Tuner Technology	VHF
Voltage	1.2 Volts
Water Resistance Level	Waterproof (IP67)

9. WARRANTY & SUPPORT

Retevis provides a 2-year warranty for the radio body and a 1-year warranty for accessories. A 30-day no-reason return policy is also available.

Beyond the warranty period, maintenance services are offered, with buyers responsible for associated costs.

For any inquiries or support needs, please contact Retevis customer service via Amazon. They aim to reply within 12 hours.

For additional resources and product information, visit the official Retevis Store on Amazon [Retevis Store](#)